

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		(refractor or refractors or lens or lenses or ((optical or translucent or translucent or transparent or (optically active)) (element or member or component or device)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/06 09:14
		(refractor or refractors or lens or lenses or ((optical or translucent or translucent or transparent or (optically active)) (element or member or component or device)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 09:13
		(refractor or refractors or lens or lenses or ((optical or translucent or translucent or transparent or (optically active)) (element or member or component or device)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 09:08
		(LED or LEDs or (L E D) or (light (emitting or producing or generating or radiating) (diode or diodes or device or devices or element or elements or semiconductor or (semi conductor) or (circuit element))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 09:06
		(LED or LEDs or (L E D) or (light (emitting or producing or generating or radiating) (diode or diodes or device or devices or element or elements or semiconductor or (semi conductor) or (circuit element))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 09:06
		((light or (light source) or lamp or lamps or ((lamp or light) (bulb or bulbs)) or luminaire or luminary or luminari or luminaries or torch or torches) or (LED or LEDs or (L E D) or ((light or (visible radiation) (emitting or producing or generating or radiating) (diode or diodes or device or devices or element or elements or semiconductor or (semi conductor) or (circuit element))))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 09:05
		(((light or wave) (guide or conducting or transmitting or transport\$3 or channel\$3) or lightguide or waveguide) or (((optic or optical or light or conducting) with (fiber or fibers or fibre or fibres or filament or filaments or strand or strands or hair or hairs or pipe or pipes or waveguide or wavepipe) or (lightpipe or lightguide)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 09:03
		(illuminat\$3 adj device) and (LED or (light adj emitting adj diode)) and (red and green and blue) and (((lightguide or (light adj guide) or waveguide or (wave adj guide) adj (plate or sheet)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 09:00
		(illuminat\$3 adj device) and (LED or (light adj emitting adj diode)) and (red and green and blue) and (((lightguide or (light adj guide) or waveguide or (wave adj guide) adj (plate or sheet)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 09:00

## EAST Search History

		((illuminat\$3 adj device) and (LED or (light adj emitting adj diode)) and (red and green and blue) and ((lightguide or (light adj guide) or waveguide or (wave adj guide) adj (plate or sheet)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 08:59
		lens and (LED or (light adj emitting adj diode)) and prism and dichroic and (((light adj guide) or (wave adj guide)) adj (plate or sheet)) and (LED or (light adj emitting adj diode)) and (red and blue and green))	US-PGPUB; USPAT	OR	ON	2007/07/05 15:00
		((first and second and third) near3 (lens or (LED or (light adj emitting adj diode))))	US-PGPUB; USPAT	OR	ON	2007/07/05 14:24
		((first and second and third) near3 (lens or (LED or (light adj emitting adj diode)))) and prism and (((light adj guide) or (wave adj guide)) adj (plate or sheet)) and (LED or (light adj emitting adj diode)) and dichroic and (red and blue and green))	US-PGPUB; USPAT	OR	ON	2007/07/05 14:23
		((first and second and third) near3 (lens or (LED or (light adj emitting adj diode)))) and prism and (((light adj guide) or (wave adj guide)) adj (plate or sheet)) and (LED or (light adj emitting adj diode)) and dichroic and (red and blue and green) and fresnel	US-PGPUB; USPAT	OR	ON	2007/07/05 14:23
		S23 with "light guide"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/24 15:18
S1	1054	362/268.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/04/18 15:37
S2	75	362/601.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/04/18 15:54
S3	948	359/642.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/04/18 16:03
S4	1004	349/65.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/04/18 15:36

## EAST Search History

S5	11671	color adj (mixer or mixing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/04/18 16:04
S6	232798	(light adj guide) or lightguide or waveguide or (wave adj guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/04/18 16:05
S7	70337	backlight or (back adj light)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/04/18 16:05
S8	221	S7 and S6 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/04/18 16:06
S9	17	(US-20070081361-\$ or US-20070064444-\$ or US-20070047261-\$ or US-20060291203-\$ or US-20060083023-\$ or US-20060227302-\$ or US-20060221636-\$ or US-20060220040-\$ or US-20040174707-\$ or US-20010053078-\$).did. or (US-7171104-\$ or US-6988813-\$ or US-6831790-\$ or US-6898024-\$ or US-6999071-\$ or US-6607280-\$ or US-6971771-\$).did.	US-PGPUB; USPAT	OR	ON	2007/04/20 09:29
S10	12	S9 and ((light adj emitting adj diode) or LED)	US-PGPUB; USPAT	OR	ON	2007/04/20 09:30
S11	11	S10 and optical	US-PGPUB; USPAT	OR	ON	2007/04/20 09:30
S12	10	S11 and mix\$3	US-PGPUB; USPAT	OR	ON	2007/04/20 09:31
S13	8	S11 and red and blue and green	US-PGPUB; USPAT	OR	ON	2007/04/20 09:32
S14	7	S13 and (mirror or prism)	US-PGPUB; USPAT	OR	ON	2007/04/20 09:32
S15	8	S13 and (mirror or prism or optical)	US-PGPUB; USPAT	OR	ON	2007/04/20 09:33
S16	0	("2006/0083023"   "2006/0220040"   "2006/0221636"   "2006/0227302"   "2006/0291203"   "2007/0047261"   "2007/0064444"   "2007/0081361").URPN.	USPAT	OR	ON	2007/04/24 15:06
S17	49525	RGB	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/24 15:10

## EAST Search History

S18	1392	RBG	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/24 15:10
S19	50106	S17 or S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/24 15:10
S20	25329	S19 and (optical or prism or mirror)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/24 15:11
S21	5474	S20 and (mix or mixer or mixing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/24 15:12
S22	5334	S21 and color	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/24 15:12
S23	2286	S22 and (LED or (light adj emitting adj diode))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/24 15:17
S24	277	S23 and "light guide"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/24 15:18
S25	4019	dichroic adj prism	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/25 09:19
S26	3664	S25 and (lens or lenses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/25 09:20
S27	855	S26 and (LED or (light adj emitting adj diode))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/25 12:02
S28	6984	light adj guide adj plate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/25 12:02

## EAST Search History

S29	4019	dichroic adj prism	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/25 12:02
S30	3664	S29 and (lens or lenses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/25 12:02
S31	855	S30 and (LED or (light adj emitting adj diode))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/25 12:02
S32	19	S28 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/04/25 12:02
S33	48	(US-20070081361-\$ or US-20070047261-\$ or US-20060227302-\$ or US-20060221636-\$ or US-20060220040-\$ or US-20060164607-\$ or US-20060152931-\$ or US-20060164857-\$ or US-20060056166-\$ or US-20060023172-\$ or US-20040090414-\$ or US-20040004424-\$ or US-20030156077-\$ or US-20030147055-\$ or US-20030123261-\$ or US-20030072147-\$ or US-20020180968-\$ or US-20060291203-\$ or US-20070064444-\$ or US-20060083023-\$ or US-20010013923-\$ or US-20010048560-\$ or US-20040120647-\$ or US-20040263500-\$ or US-20050213310-\$ or US-20060001838-\$).did. or (US-20060044515-\$ or US-20060132403-\$ or US-20060164726-\$).did. or (US-7133020-\$ or US-7131735-\$ or US-6655825-\$ or US-6547400-\$ or US-6414750-\$ or US-6454437-\$ or US-5963280-\$ or US-5301090-\$ or US-6144424-\$ or US-4720706-\$ or US-5153752-\$ or US-5394204-\$ or US-5502490-\$ or US-6053616-\$ or US-6108132-\$ or US-6281949-\$ or US-6882379-\$ or US-6980321-\$ or US-7044607-\$).did.	US-PGPUB; USPAT	OR	ON	2007/04/25 16:37
S34	41	S33 and mirror	US-PGPUB; USPAT	OR	ON	2007/04/25 16:37
S35	5	S34 and "light guide plate"	US-PGPUB; USPAT	OR	ON	2007/07/05 15:57
S36	18	("20040090763" "5751384" "6092901" "6220714" "6224216" "6411438" "6644814" "6739726" "6776489" ):PN	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 12:56

## EAST Search History

S37	6	("20040100697" "5219217" "7072096").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 16:50
S39	24	S36 or S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 12:59
S40	17	(US-20010013923-\$ or US-20010048560-\$ or US-20030147055-\$ or US-20040004424-\$ or US-20040120647-\$ or US-20040263500-\$ or US-20050213310-\$ or US-20060001838-\$ or US-20060152931-\$).did. or (US-5394204-\$ or US-5502490-\$ or US-6108132-\$ or US-6281949-\$ or US-6882379-\$ or US-6980321-\$ or US-7044607-\$ or US-7131735-\$).did.	US-PGPUB; USPAT	OR	ON	2007/07/05 13:40
S41	12	S40 and (first and second and third)	US-PGPUB; USPAT	OR	ON	2007/07/05 13:41
S42	12	S40 and (first and second and third) and lens and prism	US-PGPUB; USPAT	OR	ON	2007/07/05 14:00
S43	2	S40 and (first and second and third) and lens and prism and (((light adj guide) or (wave adj guide)) adj (plate or sheet)) and (light adj emitting adj diode) and dichroic	US-PGPUB; USPAT	OR	ON	2007/07/05 14:15
S44	2	S40 and (first and second and third) and lens and prism and (((light adj guide) or (wave adj guide)) adj (plate or sheet)) and (LED or (light adj emitting adj diode)) and dichroic	US-PGPUB; USPAT	OR	ON	2007/07/05 14:18
S45	1	S40 and (first and second and third) and lens and prism and (((light adj guide) or (wave adj guide)) adj (plate or sheet)) and (LED or (light adj emitting adj diode)) and dichroic and (red and blue and green)	US-PGPUB; USPAT	OR	ON	2007/07/05 14:22
S46	96601	((first or second or third) near3 (lens or (LED or (light adj emitting adj diode))))	US-PGPUB; USPAT	OR	ON	2007/07/05 14:25
S47	6	((first or second or third) near3 (lens or (LED or (light adj emitting adj diode)))) and prism and (((light adj guide) or (wave adj guide)) adj (plate or sheet)) and (LED or (light adj emitting adj diode)) and dichroic and (red and blue and green)	US-PGPUB; USPAT	OR	ON	2007/07/05 14:37
S54	94	hatanaka-masato.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/05 14:28
S55	1	hatanaka-masato-\$ in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/05 14:28

## EAST Search History

S56	6	arai-takeo-\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/05 14:29
S57	430	arai-takeo.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/05 14:29
S58	522	S54 or S55 or S56 or S57	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/05 14:29
S59	13	S58 and S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/05 14:29
S60	1	S58 and (((first or second or third) near3 (lens or (LED or (light adj emitting adj diode)))) and prism and (((light adj guide) or (wave adj guide)) adj (plate or sheet)) and (LED or (light adj emitting adj diode)) and dichroic and (red and blue and green))	US-PGPUB; USPAT	OR	ON	2007/07/05 14:59
S61	29	lens and (LED or (light adj emitting adj diode)) and prism and dichroic and (((light adj guide) or (wave adj guide)) adj (plate or sheet)) and (LED or (light adj emitting adj diode)) and (red and blue and green)	US-PGPUB; USPAT	OR	ON	2007/07/05 15:25
S62	2630	362/19,606,620,231,235,241,242.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/05 16:06
S63	1224	S62 and (LED or (light adj emitting adj diode))	US-PGPUB; USPAT	OR	ON	2007/07/05 16:07
S64	599	S62 and (LED or (light adj emitting adj diode)) and (red and blue and green)	US-PGPUB; USPAT	OR	ON	2007/07/05 16:26
S65	34	S62 and (LED or (light adj emitting adj diode)) and (red and blue and green) and (dichroic adj prism)	US-PGPUB; USPAT	OR	ON	2007/07/05 16:07
S66	565	S64 not S65	US-PGPUB; USPAT	OR	ON	2007/07/05 16:26
S67	0	"6882379,20040120647,20040263500".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 16:51
S68	0	"6882379, 20040120647, 20040263500".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 16:51

## EAST Search History

S69	2	"6882379".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 16:51
S70	2	"20040120647".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 16:51
S71	2	"20040263500".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 16:52
S72	6	S69 S70 S71	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 16:52
S73	0	S72 and (light adj guide adj (plate or sheet))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 16:52
S74	1	S72 and (light adj guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 16:53
S75	1	S72 and ((wave or light) adj guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 16:54
S76	2	S72 and (((wave or light) adj guide) or light-guide or lightguide or waveguide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 16:54
S77	2	S72 and (((wave or light) adj guide) or light-guide or lightguide or waveguide or wave-guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 16:59

## EAST Search History

S78	1	S72 and (((wave or light) adj guide) or light-guide or lightguide or waveguide or wave-guide) and plate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/05 17:00
S79	22274	illuminat\$3 adj device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 08:58
S80	7032	(illuminat\$3 adj device) and (LED or (light adj emitting adj diode))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 09:01
S81	1773	(illuminat\$3 adj device) and (LED or (light adj emitting adj diode)) and (red and green and blue)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 08:58
S83	103	(illuminat\$3 adj device) and (LED or (light adj emitting adj diode)) and (red and green and blue) and ((lightguide or (light adj guide) or waveguide or (wave adj guide)) adj (plate or sheet))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 09:01
S84	6948683	(((light or wave) (guide or conducting or transmitt\$3 or transport\$3 or channel\$3) or lightguide or waveguide) or (((optic or optical or light or conducting) with (fiber or fibers or fibre or fibres or filament or filaments or strand or strands or hair or hairs or pipe or pipes or waveguide or wavepipe) or (lightpipe or lightguide))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 09:07
S85	864448	(LED or LEDs or (L E D) or (light (emitting or producing or generating or radiating) (diode or diodes or device or devices or element or elements or semiconductor or (semi conductor) or (circuit element))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/07/06 09:06
S86	6948683	(((light or wave) (guide or conducting or transmitt\$3 or transport\$3 or channel\$3) or lightguide or waveguide) or (((optic or optical or light or conducting) with (fiber or fibers or fibre or fibres or filament or filaments or strand or strands or hair or hairs or pipe or pipes or waveguide or wavepipe) or (lightpipe or lightguide))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/07/06 09:14
S87	864448	(LED or LEDs or (L E D) or (light (emitting or producing or generating or radiating) (diode or diodes or device or devices or element or elements or semiconductor or (semi conductor) or (circuit element))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2007/07/06 09:14

## EAST Search History

S88	612169	S86 and S87 and (refractor or refractors or lens or lenses or ((optical or translucent or translucent or transparent or (optically active)) (element or member or component or device)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/06 09:17
S89	3757	S88 and dichroic and prism	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/06 09:18
S90	3684	S89 and optical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/06 09:19
S91	2759	S90 and color	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/06 09:19
S92	2050	S90 and red and green and blue	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/06 09:19
S93	246	S89 and (illuminat\$3 adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/06 09:20
S94	72	S89 and (illuminat\$3 adj devices)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/06 09:20
S95	58	S89 and (illuminat\$3 adj devices) and red and green and blue	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/06 09:24
S96	5570	S86 and (illuminat\$3 adj devices)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/06 09:30

## EAST Search History

S97	2789	S96 and S87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/06 09:26
S98	1556	S97 and optical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/06 09:27
S99	13	S86 with (illuminat\$3 adj devices) near3 (side or lateral)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/06 09:32